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PATENT APPLICATION  
CH-7961  
LeA 35,552

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICATION OF )  
 ) GROUP NO.: 1756  
KNUD REUTER ET AL )  
 )  
SERIAL NUMBER: 10/762,106 )  
 )  
FILED: JANUARY 21, 2004 )  
 )  
TITLE: ALKYLENEDIOXYTHIOPENES AND )  
 )  
POLY(ALKYLENEDIOXYTHIOPENES))  
CONTAINING MESOGENIC GROUPS )

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.97(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements. Enclosed are copies of the following:

- a) the articles described in the above-identified application,

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as first class mail in an  
enveloped addressed to: Commissioner for Patents,  
Alexandria, VA 22313-1450 8/24/03

Date

Joseph C. Gil, Reg. No. 26,602

Name of applicant, assignee or Registered Representative

Signature

August 24, 2003

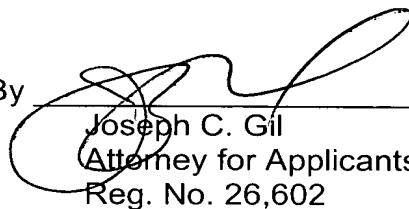
Date

- b) the Search Report received in the corresponding application pending in the European Patent Office; and an English language translation thereof; and
- c) the foreign documents and articles cited by the European Patent Office in the Search Report listed on the attached Form PTO 1449.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any reference mentioned herein constitutes prior art, or that the references listed, severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

By



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Reg. No. 26,602

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|   |  |                                       |                          |
|---|--|---------------------------------------|--------------------------|
| Form PTO 1449<br>Rev. 7-80  | U.S. Department of Commerce<br>Patent and Trademark Office | Atty. Docket No.<br>CH7961/LeA 35,552 | Serial No.<br>10/762,106 |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use Several Sheets If Necessary) |  | Applicant<br>Knud Reuter et al        |                          |
|   |  | Filing Date<br>January 21, 2004       | Group<br>1756            |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME                                    | CLASS             | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|-----------------|----------|---|-------------------|----------|-------------------------------|
|                     | AA | 4,987,042       | 01/22/91 | (Bel. to corresp. to EP<br>Jonas et al  | 339 340)<br>429   | 213      |                               |
|                     | AB | 4,949,430       | 09/25/90 | (Bel. to corresp. to EP<br>Jonas et al  | 339 340)<br>526   | 257      |                               |
|                     | AC | 4,959,430       | 09/25/90 | (Bel. to corresp. to EP<br>Jonas et al  | 339 340)<br>526   | 257      |                               |
|                     | AD | 4,987,042       | 01/22/91 | (Bel. to corresp. to EP<br>Jonas et al  | 339 340)<br>429   | 213      |                               |
|                     | AE | 5,035,926       | 01/30/91 | (Bel. to corresp. to EP<br>Jonas et al  | 339 340)<br>427   | 393.1    |                               |
|                     | AF | 5,111,327       | 05/05/92 | Blohm et al                             | 526               | 256      |                               |
|                     | AG | 5,300,575       | 04/05/94 | (Bel. to corresp. to EP<br>Jonas et al  | 440 957)<br>525   | 186      |                               |
|                     | AH | 6,130,339       | 10/10/00 | Tan et al                               | 549               | 50       |                               |
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## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY                     | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|----------|-----------------------------|-------|----------|-------------|-----|
|  |    |                 |          |                             |       |          | Yes         | No* |
|  | AL | 1 321 483       | 06/25/03 | Europe                      |       |          |             |     |
|  | AM | 196 43 031      | 04/23/98 | Germany (Abstract attached) |       |          |             | X   |
|  | AN |                 |          |                             |       |          |             |     |
|  | AO |                 |          |                             |       |          |             |     |
|  | AP |                 |          |                             |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|   | AR | Adv. Mater., 12, No. 7, (month unavailable) 2000, pages 481-494 L. "Bert" Groenendaal et al, "Poly (3,4-ethylenedioxythiophene) and Its Derivatives: Past, Present, and Future" |
|   | AS | Adv. Mater., 6, No. 2, (month unavailable) 1994, pages 138-142, Christine Thobie-Gautier et al, "Electropolymerization of Thiophene Derivatized with a Mesogenic Substituent"   |
|   | AT | Chem. Letters, (month unavailable) 2000, pages 936-937, Masashi Kijima et al, "Synthesis of a Novel Ionic Liquid Crystalline Polythiophene Having Viologen Side Chain"          |
| EXAMINER  |    | DATE CONSIDERED   |
| EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |   |

Neither English Language Equivalent nor an English Language Translation is available.

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|  |    |                 |      |         |       |          | Yes         | No* |
|  | AL |                 |      |         |       |          |             |     |
|  | AM |                 |      |         |       |          |             |     |
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|   |    | "Synthesis and characterization of conducting copolymers of thiophene-3-yl acetic acid cholesteryl ester with pyrrole"                               |
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|   | AT | "Electrochromic polymer based on a rigid cyanobiphenyl substituted 3,4-ethylenedioxythiophene"   |
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|  | AT |  | Kros, Alexander et al: "Poly(3,4-ethylenedioxythiophene)-based copolymers for biosensor applications" Journal of Polymer Science, Part A: Polymer Chemistry, 40(6), 738-747 Coden: JPACEC; ISSN: 0887-624X, 2002, XP002244145 |

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|   | AT |  |  |
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